

KOREAN PATENT ABSTRACT (KR)

Patent Laid-Open Gazette

(51) IPC Code: G03G 9/093

(11) Publication No.: P2002-0092403 (43) Publication Date: 11 December 2002

(21) Application No.:

10-2002-7012799

(22) Application Date:

27 September 2002

Translation Submitted Date 27 September 2002

(86) International Application No.

PCT/JP2000/02782

(86) International Application Date. 27 April, 2000

(87) International Laid-open No.

WO 2001/84248

(87) International Laid-open Date.

8 November 2001

(81) Designated Countries:

Domestic Patent: Canada, China, The Republic of Korea,

USA; EP European Patent: Austria, Belgium, Swiss, Cyprus, Germany, Denmark, Spain, Finland, France, The United Kingdom, Greece, Island, Italy, Luxemborug, Monaco,

Portugal, Sweden.

(71) Applicant:

TICONA GMBH

(72) Inventor:

NAKAMURA TORU

(54) Title of the Invention:

Toner for development of electrostatically charged image

Abstract:

A toner for developing an electrostatically charged image, which is constituted with a microcapsule toner particle composed of a core and a shell, the core comprising a colorant and a binder resin containing an olefin copolymer having a cyclic structure, said olefin copolymer having a glass transition temperature ranging from -20° C. to less than 60° C. and a number average molecular weight ranging from 100 to 20,000, and the shell comprising a coating resin for the core, and/or a shell comprising a resin for coating the core containing an olefin copolymer having a cyclic structure, said olelin copolymer having a glass transition temperature ranging from 60° C. to 180° C. and a number average molecular weight ranging from 1,000 to 100,000. Since this toner is excellent in anti-spent toner effect, transfer properties, fixing ability, and offset-free properties, it is applicable to

electrostatically charge image type copiers, printers, etc. of the low-temperature heating fixing type or pressure fixing type and heat roller fixing type which enables high-speed copying.